

DETAILED ACTION

1. This Office Action is in response to Applicant's remarks and amendments filed 08/10/2011.

Response to Amendment

2. It is acknowledged that claims have been amended claims 1, 13, 15 and 19 have been amended.
3. Claims 1, 3, 4, 6-13, 15-19, 21 and 22 are pending.

Response to Arguments

4. Applicant's arguments with respect to the amended claims filed on 08/10/2011 have been considered but are not persuasive.
5. At the bottom of page 11, Applicant argues that the cited reference Azieres does not disclose "...a method to carry out at least one of the retrieving or accessing information about an equipment, plant or process in a facility, where the method includes logging in to the control system by a maintenance user on site at the facility, retrieving by the control system information association with the equipment, plant or process including the location in the facility of the equipment, plant or process, and utilizing by the maintenance user the information to locate said equipment, plant or process and to address the new event or alarm at the location of the said equipment, plant or process". And the Applicant cites portions of the Background of Invention and Summary of Inventions of Azieres that describes "a remote management of equipment operating parameters...can neither afford to justify having the required skilled technicians on site to diagnose and remedy equipment problems that may arise...system allows one or more users to monitor the operations and performance of equipment located at multiple sites that can be

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geographically remote from the user”, to show that Azieres does not teach that the maintenance user is on site. However although Azieres system is capable of monitoring the equipment remotely at a different geographical location, Azieres also discloses the ability to monitor the equipment locally, which is shown throughout the Detailed Description. First Fig. 1 discloses multiple work stations that are locally connected to the equipment monitoring system, col. 4 lines 15-19, “automatically generate alarm signals or warning messages to be transmitted to various monitoring terminals, such as a personal computer 112 on the network 136 and located near the equipment 100; a workstation 120 **located within the enterprise** and accessible via the network 136”. Second, an on-site personnel is also disclosed to show that local equipment operators or maintenance personnel are capable of using the system, col. 12 lines 6-29, “on-site personnel have several options in response to an alarm condition being generated by the monitoring system... on-site personnel can access the monitoring system through the personal computer 112 to observe and review the events occurring on the equipment and its various operating parameters as reported from the sensors 102 through the controller 106... on-site personnel can contact the remote terminal 130 at the call center through the programmable logic controller 106 and leave a message regarding the error condition on the equipment 100 and requesting assistance... on-site personnel can also access the local database 114 or informational resources available across the network 140, such as a secured web page on the Internet, to obtain diagnostic and repair instructions for the particular error condition that has been alarmed”. Also the location of the equipment is provided in col. 11 lines 53-55 “the on-site equipment operators or maintenance personnel can view the alarm signal information, which can include the

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identification of the particular sensor 102 that is out-of-range..”, by identify the sensor that is out of range the maintenance personnel is able to locate the faulty equipment.

6. In the middle of page 12, Applicant argues that Azieres does not disclose configuring a software entity recorded on a computer readable medium with an identity of the equipment, plant or process. Examiner respectfully submits that in col. 6 lines 1-4, Azieres discloses “The personal computer 112 can be used by equipment operators and equipment maintenance personnel to efficiently monitor and control the operation of the equipment 100. The display of the personal computer 112 can be programmed to constantly display selectable readings from the sensors 102, thereby providing a constant, real-time display of the operating conditions and performance of the equipment 100”, because it is disclosed that the computer can be programmed, the software entity recorded on a computer readable medium is incorporated and the identity of the equipment is taught by the selectable reading from the sensors which displays the operating condition of the equipment, which has been programmed into the computer to be displayed. At the bottom of page 12 and onto page 13, Applicant argues that Azieres also fails to disclose the amended portion “an address of an internal user and an external expert” in relation to the software entity. Examiner respectfully submits that Azieres discloses contacting and notifying both internal users and external experts in col. 11 lines 41-50 “automatic notification of a qualified field service technician, through any of the above-discussed communication means, dispatching the technician to the customer site. The system can detect if the service personnel are already at the site of the equipment problem. Alternatively, the system can transmit diagnosis and/or maintenance instructions to either the service technician or the on-site equipment operator near the computer 112 to assist in the resolution of the equipment problem signaled by the out-

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of-range sensor reading”, and in col. 14 lines 4-13, “system can determine whether any such accepted cryogeny experts are logged on to the system through any remote terminals 120, 124, 130, or 134. If an expert is logged on, an inquiry by on-site personnel through the personal computer 112 will be routed to the expert across the network 140 to the appropriate remote terminal 120, 124, 130, or 134. If no such expert is immediately available, the system can direct an inquiry message, email, or page to all qualified and retained experts for their subsequent notification, consideration, and response”. The above citations discloses both internal users and external experts and discloses routing alarms and messages to the appropriate users and experts, where the means of communicating such alarms and messages include col. 11 lines 15-22, “protocols of communication, such as email, voice mail, SMS, WAP, and under new emerging standards in wireless technologies, such as General Packet Radio Service (hereinafter “GPRS”), Universal Mobile Telecommunications System (hereinafter “UMTS”), and 3.sup.rd Generation (hereinafter “3G”)”, all of which involves the user and associated address for communication, because it is shown that the system can contact both internal users and external experts through the disclosed communication protocols the address of such users are also incorporated.

Statement Regarding 35 USC 101

7. Claims 15-18 recite “computer readable medium” and in view of the specification, page 16 lines 5-7 further defining the medium as “magnetic disk, CD-ROM, or DVD, Hard disk...” This indicates that the medium is drawn to storage medium and not to any form of energy, waves, or any form of propagation or the like, therefore complies with 35 USC 101.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1, 3, 4, 6-13, 15-19, 21 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by **Azleres et al. (US 6646564 B1)**.

As per Claim 1, Azleres discloses:

- **A method to carry out at least one of retrieving or accessing information about an equipment, plant or process in a facility comprising a plurality of devices and one or more control systems for process monitoring and control, wherein energy-related information and other data for each said device is stored in a one of said control system systems**, at least by (col. 3 lines 21-52, " automated remote equipment monitoring and control system... Connected to the equipment 100 at one or more location are sensors 102 for monitoring various parameters and conditions that are indicative of equipment operation and performance...possible parameters for measurement and reporting can be electrical amperage draw; internal temperature of the tunnel; temperature of the cryogenic gas, such as nitrogen, as the gas is released into the tunnel; tunnel temperature at the level of the conveyer belt...product characteristics, such as temperature, color, weight, and bacteriological state...the sensors 102 can also be meters that display readings to equipment operators, maintenance personnel, and remote

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monitoring personnel”, and col. 3 lines 63-col. 4 lines 5, “the signals from the sensors 102 pass to be stored on a local database 114 or transmitted across various networks 136 or 140 for storage on a remote global database 126 and for viewing by various equipment operator, monitor, and maintenance personnel on personal computers, terminals, and workstations 112, 120, 124, and 130.”)

- **the method comprising: logging in to the control system by a maintenance user on site at the facility**, at least by (col. 5 lines “access to the system is further secured through a series of passwords, logon identifiers, and personal identifiers issued to the users of the system and to the various locations of the monitoring and access devices as represented by computers, workstations, and portable devices 112, 120, 124, 130, and 134...” and col. 12 lines 6-29, “on-site personnel have several options in response to an alarm condition being generated by the monitoring system... on-site personnel can access the monitoring system through the personal computer 112 to observe and review the events occurring on the equipment and its various operating parameters as reported from the sensors 102 through the controller 106);
- **configuring a software entity recorded on a computer readable medium with an identity of the said equipment, plant or process and an address of an internal user and an external expert, the software entity comprising links to information regarding all equipment, plant, and processes monitored and controlled by the control systems**, at least by (col. 6 lines 1-4, “The personal computer 112 can be used by equipment operators and equipment maintenance personnel to efficiently monitor and control the operation of the equipment 100. The display of the personal computer 112 can

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be programmed to constantly display selectable readings from the sensors 102, thereby providing a constant, real-time display of the operating conditions and performance of the equipment 100”, because it is disclosed that the computer can be programmed, the software entity recorded on a computer readable medium is incorporated and the identity of the equipment is taught by the selectable reading from the sensors which displays the operating condition of the equipment, which has been programmed into the computer to be displayed. Also Azieres discloses contacting and notifying both internal users and external experts in col. 11 lines 41-50 “automatic notification of a qualified field service technician, through any of the above-discussed communication means, dispatching the technician to the customer site. The system can detect if the service personnel are already at the site of the equipment problem. Alternatively, the system can transmit diagnosis and/or maintenance instructions to either the service technician or the on-site equipment operator near the computer 112 to assist in the resolution of the equipment problem signaled by the out-of-range sensor reading”, and in col. 14 lines 4-13, “system can determine whether any such accepted cryogeny experts are logged on to the system through any remote terminals 120, 124, 130, or 134. If an expert is logged on, an inquiry by on-site personnel through the personal computer 112 will be routed to the expert across the network 140 to the appropriate remote terminal 120, 124, 130, or 134. If no such expert is immediately available, the system can direct an inquiry message, email, or page to all qualified and retained experts for their subsequent notification, consideration, and response”. The above citations discloses both internal users and external experts and discloses routing alarms and messages to the appropriate users and experts, where the

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means of communicating such alarms and messages include col. 11 lines 15-22, "protocols of communication, such as email, voice mail, SMS, WAP, and under new emerging standards in wireless technologies, such as General Packet Radio Service (hereinafter "GPRS"), Universal Mobile Telecommunications System (hereinafter "UMTS"), and 3.sup.rd Generation (hereinafter "3G")", all of which involves the user and associated address for communication, because it is shown that the system can contact both internal users and external experts through the disclosed communication protocols the address of such users are also incorporated);

- **retrieving by the control system, utilizing the links, information associated with said equipment, plant or process with the configured software entity, the information comprising maintenance information, technical information, operational information, location in the facility and contact information for at least one of internal users and external users having technical knowledge about the selected equipment, plant or process**, at least by (col. 9 lines 40-50, " Information available to the users of the various computers 112, 120, 124, 130, and 134 having access to the system can be customized, based on logon authority and particular computer site. For example, real-time data can be made available to equipment operators; machine-specific and alarm condition-specific maintenance instructions can be made available to equipment operators; historical maintenance reports can be made available to maintenance personnel; production reports can be made available to plant managers; invoice and billing reports can be made available to sales and accounting personnel; and performance and repair trend reports can be made available to capital equipment planning

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personnel”, col. 14 lines 4-13, “system can determine whether any such accepted cryogeny experts are logged on to the system through any remote terminals 120, 124, 130, or 134. If an expert is logged on, an inquiry by on-site personnel through the personal computer 112 will be routed to the expert across the network 140 to the appropriate remote terminal 120, 124, 130, or 134. If no such expert is immediately available, the system can direct an inquiry message, email, or page to all qualified and retained experts for their subsequent notification, consideration, and response”, where all qualified and retained experts incorporates both internal and external users having technical knowledge about the selected equipment. And the location of the equipment is provided in col. 11 lines 53-55 “the on-site equipment operators or maintenance personnel can view the alarm signal information, which can include the identification of the particular sensor 102 that is out-of-range..”, by identify the sensor that is out of range the maintenance personnel is able to locate the faulty equipment)

- **sending a message by the control system to the logged in maintenance user of an event or alarm related to the equipment, plan or process**, at least by (col. 11 lines 10-15, “The controller can activate an audible alarm 108 in the proximity of the equipment 100 and can also activate an alarm message and an audible alarm on any online computer 112, 120, 124, 130, and/or 134 that are authorized to receive alarms triggered by the particular sensor 102.”)
- **presenting or displaying by the control system to the maintenance user on a portable computing device at least information about the event or alarm for said equipment, plant or process and at the location of said equipment, plant or process**

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utilizing by the maintenance user the information to locate said equipment, plant or process and to address the new event or alarm, at the location of said equipment, plant or process, at least by (col. 11 lines 51-59, “Upon receiving an alarm signal at a local personal computer 112, the on-site equipment operators or maintenance personnel can view the alarm signal information, which can include the identification of the particular sensor 102 that is out-of-range, the reading from the sensor 102, the degree to which the reading is out of range, whether a service technician has been dispatched from the call center, whether a service technician is already on site, and instructions to resolve the out-of-range condition”, by identify the sensor that is out of range the maintenance personnel is able to locate the faulty equipment, col. 9 lines 20-30 “the controller 106 initiates communication to a predetermined list of computers 112, 120, 124, 130, and 134, displaying a warning or alarm message on the screen of the corresponding device and/or activating an audible alarm on or at the site of the selected devices. As discussed above regarding portable devices 134, the computers and terminals in electronic contact with the controller 106 need not be limited to conventional computer-style terminals and can include many types of communication devices, such as cellular telephones, pagers, and personal digital assistants”);

- **and requesting contact by the maintenance user utilizing the portable computing device with at least one internal user or at least one external user about the equipment, plant or process if the maintenance user cannot address the new event or alarm with the retrieved information, identifying by the control system the at least one internal user or at least one external user based upon the event or alarm**

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and the equipment, plant or process, providing contact by the control system with the at least one internal user or least one external user and providing of information to the maintenance user by the at least one internal user or at least one external user to address the new event or alarm, at least by (col. 12 lines 20-32 “the on-site personnel can contact the remote terminal 130 at the call center through the programmable logic controller 106 and leave a message regarding the error condition on the equipment 100 and requesting assistance. The on-site personnel can also access the local database 114 or informational resources available across the network 140, such as a secured web page on the Internet, to obtain diagnostic and repair instructions for the particular error condition that has been alarmed... Once on-site, dispatched service personnel (or the local equipment operators using instructions obtained from the monitoring system) access the equipment 100”, col. 14 lines 4-13, an inquiry by on-site personnel through the personal computer 112 will be routed to the expert across the network 140 to the appropriate remote terminal 120, 124, 130, or 134. If no such expert is immediately available, the system can direct an inquiry message, email, or page to all qualified and retained experts for their subsequent notification, consideration, and response”).

As per claim 2, canceled.

As per claim 3, claim 1 is incorporated and Azleres discloses:

- **assigning the new event or alarm for said equipment, plant or process to a maintenance user,** at least by (col. 11 lines 10-15, “The controller can activate an audible alarm 108 in the proximity of the equipment 100 and can also activate an alarm

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message and an audible alarm on any online computer 112, 120, 124, 130, and/or 134 that are authorized to receive alarms triggered by the particular sensor 102.”, at least by (col. 11 lines 51-59, “Upon receiving an alarm signal at a local personal computer 112, the on-site equipment operators or maintenance personnel can view the alarm signal information...”)

As per Claim 4, Claim 1 is incorporated and further Azleres discloses:

- **retrieving an address for an external user or expert and presenting the address to the maintenance user**, at least by (col. 14 lines 4-13, “the system can direct an inquiry message, email, or page to all qualified and retained experts for their subsequent notification, consideration, and response”).

As per Claim 5, canceled.

As per Claim 6, Claim 4 is incorporated and further Azleres discloses:

- **establishing a shared display or shared computer application contact between the external user or expert and the maintenance user**, at least by (col. 8 lines 28-45, “The user of the computer 130, with proper logon authority, can view the readings from the sensors 102 and can direct the camera 110 to create a video connection between the equipment site and the call center to provide images of the equipment site to help diagnose any problems signaled to the computer 130. Commands can be issued from the computer 130 across the networks 140 and 136 and through the controller 106 to the controls 104 to remotely modify the operating settings and parameters of the equipment 100. This feature permits company personal and/or manufacturer service personnel located in another facility to remotely monitor and control the equipment 100, even to the

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extent that no one is required to be on site where the equipment 100 is located.

Additionally, instructions and/or queries can be routed from the computer 130 to the graphical user interface of the on-site computer 112 to instruct on-site maintenance and repair personnel the proper steps to take to resolve any out-of-range condition,” and col. 14 lines 10-15, “These same network and communication facilities can permit an online forum in which a real-time discussion can occur with one or more experts”).)

As per Claim 7, Claim 1 is incorporated and further Azleres discloses:

- **configuring a selected technical characteristic of the selected said equipment, plant or process with an indicator of a high, medium or low priority for returning the said equipment, plant or process to a normal state**, at least by (col. 11. lines 5-10, “If the readings are out-of-range, or non-standard, or violate a predetermined minimum or maximum value, the controller generates an alarm signal at step 206. The alarm signal can be variable, depending on the sensor 102 implicated and the degree of out-of-range that has been detected”, the variable alarm depending on the degree of out-of range provides the different indicators of a high, medium or low priority for returning the said equipment, plant or process to a normal state as claimed.)

As per claim 8, claim 1 is incorporated and further Azleres discloses:

- **configuring a technical information link of component of a said equipment, plant or process with an identity of an internal user with access to relevant technical information**, at least by (col. 5 lines 47-64, “Endowing users with a specific level of authority by one or more of a combination of logon identification, user classification, and access location not only adds to the security of the monitoring and control functions but

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also permits the system to customize the access for each user. By way of example and not limitation, a user logged on as a manager on the remote computer 124 can be granted access for viewing certain data on the remote database 126 and real-time data from certain sensors 102 by virtue of the user's status as a manager but can be denied operational authority over the controls 104 because of the user's logon through the remote computer 124. In another example, a particular remote user on a personal computer 130 may be interested in only a finite number of pieces of equipment 100 and can correspondingly tailor the information and layout presented on the graphical user interface of the personal computer 130 to best serve his or her needs”).

As per Claim 9, Claim 8 is incorporated and further Azleres discloses:

- **configuring said equipment, plant or process with an identity of the internal user with dependent on information recorded in the internal user profile**, at least by (col. 5 lines 47-64, “Endowing users with a specific level of authority by one or more of a combination of logon identification, user classification, and access location not only adds to the security of the monitoring and control functions but also permits the system to customize the access for each user. By way of example and not limitation, a user logged on as a manager on the remote computer 124 can be granted access for viewing certain data on the remote database 126 and real-time data from certain sensors 102 by virtue of the user's status as a manager but can be denied operational authority over the controls 104 because of the user's logon through the remote computer 124. In another example, a particular remote user on a personal computer 130 may be interested in only a finite number of pieces of equipment 100 and can correspondingly tailor the information and

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layout presented on the graphical user interface of the personal computer 130 to best serve his or her needs”).

As per Claim 10, Claim 8 is incorporated and further Azleres discloses:

- **configuring said equipment, plant or process with an identity of a user with dependent on information recorded in the internal profile classified by any from the list of: responsibility, training, certified qualification, work experience**, at least by (col. 5 lines 47-64, “Endowing users with a specific level of authority by one or more of a combination of logon identification, user classification, and access location not only adds to the security of the monitoring and control functions but also permits the system to customize the access for each user. By way of example and not limitation, a user logged on as a manager on the remote computer 124 can be granted access for viewing certain data on the remote database 126 and real-time data from certain sensors 102 by virtue of the user's status as a manager but can be denied operational authority over the controls 104 because of the user's logon through the remote computer 124. In another example, a particular remote user on a personal computer 130 may be interested in only a finite number of pieces of equipment 100 and can correspondingly tailor the information and layout presented on the graphical user interface of the personal computer 130 to best serve his or her needs”).

As per Claim 11, Claim 1 is incorporated and further Azleres discloses:

- **attaching a user observation to the retrieved information associated with said equipment, plant or process as any from the list of: a text message, a video clip, a photograph, sketch, sound recording**, at least by (col. 7 lines 2-18, “The camera 110

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can be activated through the personal computer 112 for displaying a real-time image of the equipment 100 and the room in which the equipment 100 is located. Alternatively, certain pre-determined conditions detected on the equipment 100, such as excessive temperature or a shut-down, can automatically trigger the activation of the camera 110 and the subsequent recording of the images. Authorized personal utilizing the personal computer 112 can direct the camera through its motor-controlled mobility to view selected parts of the equipment 100 or the equipment room. Similarly, the programmable logic controller 106 can be programmed to direct the camera to automatically direct its lens to a particular portion of the equipment 100 or the equipment room that is generating an out-of-range reading from a sensor 102. The images captured by the camera 110 can be stored on the local database 114 for archiving and for later viewing and analysis”, and col. 14 lines 10-15, “system can direct an inquiry message, email, or page to all qualified and retained experts for their subsequent notification, consideration, and response. These same network and communication facilities can permit an online forum in which a real-time discussion can occur with one or more experts”).

As per Claim 12, Claim 1 is incorporated and further Azleres discloses:

- **carry out a repair, re-configure, re-programming or replacement of a faulty part of said equipment, plant or process based at least in part on technical information associated with said equipment, plant or process retrieved and/or presented utilizing the software entity**, at least by (col. 12 lines 63-67, “Once the alarm condition has been resolved, whether automatically by the controller 106 or manually by service or operator

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personnel, the response taken to address the out-of-range condition is logged at step 214”)

Claim 13 refers to a computer program product for retrieving and/or accessing information about an equipment, part or process comprising a computer readable medium and computer code means corresponding to method claim 1, and is rejected under the same reason set forth in connection to rejections of claim 1. Where **Azleres** further discloses a computer program product on at least by (col. 4 lines 58-64 “the processor of the programmable logic controller 106 can be programmed to modify the actuators or operating controls 104 of the equipment 100 in response to various sensor 102 readings, thereby automatically controlling all aspects of the operation of the equipment 100 in direct response to the readings of the sensors 102”).)

As per claim 14, canceled.

Claims 15 refers to a software architecture recorded on a computer readable medium for retrieving and accessing information about an equipment, part or process comprising a plurality of devices and one or more control system for process monitoring and control corresponding to the method claim 1 respectively, and are rejected under the same reason set forth in connection to rejections of claim 1 respectively above. Where **Azleres** further discloses a computer program product on at least by (col. 4 lines 58-64 “the processor of the programmable logic controller 106 can be programmed to modify the actuators or operating controls 104 of the equipment 100 in response to various sensor 102 readings, thereby automatically controlling all aspects of the operation of the equipment 100 in direct response to the readings of the sensors 102”).)

Claim 16-18 refer to a software architecture recorded on a computer readable medium for retrieving and accessing information about an equipment, part or process comprising a plurality

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of devices and one or more control system for process monitoring and control corresponding to the method claim 4 and is rejected under the same reason set forth in connection to rejections of claim 4 above. Where **Azleres** further discloses a computer program product on at least by (col. 4 lines 58-64 “the processor of the programmable logic controller 106 can be programmed to modify the actuators or operating controls 104 of the equipment 100 in response to various sensor 102 readings, thereby automatically controlling all aspects of the operation of the equipment 100 in direct response to the readings of the sensors 102”).)

Claims 19 is a control system claim corresponding to the method claim 1, and is rejected under the same reason set forth in connection to rejections of claim 1 respectively above. Where **Azleres** discloses a system depicted by Fig. 1.

As per claim 21, claim 1 is incorporated and further Azleres discloses:

- **wherein the maintenance information comprises at least one of service history or service documentation**, at least by (col. 12 lines 10-20, “on-site personnel can access the monitoring system through the personal computer 112 to observe and review the events occurring on the equipment and its various operating parameters as reported from the sensors 102 through the controller 106 and stored in a historical log on the local database 114. If the on-site personnel have been notified through the system that service personnel have already been dispatched or on site, or if the historical log indicates service personnel are responding to the alarm, the on-site personnel need only wait for help to arrive.”)

As per claim 22, claim 1 is incorporated and further Azleres discloses:

- **wherein the information further comprises system data, user data, object data, technical information, specification, supplier information; a user knowledgeable**

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about the equipment, plant, or process; a user responsible the equipment, plant, or process; users trained about the equipment, plant, or process; technical drawings of the equipment, plant, or process; contact information regarding users of the equipment, plant, or process; or safety information regarding the equipment, plant, or process, at least by (col. 13 lines 3-25, “information, and reports are available through the data and communication links of the present monitoring and control system. Some of these resources that have not yet been discussed are summarized as follows: Summary reports of all monitored equipment 100 at one or multiple sites can be generated from the global database 126, providing such information as charts of selected sensor readings across a selected time frame; productivity of the equipment 100 in terms of the count and/or weight of product processed in a selected time frame; trend data regarding production or maintenance life based on past history of the machine or like machines, even from other equipment sites; and operating summary including run time, down time, and alarms. Custom databases and reports can be built from the primary historical file on the global database 126, allowing customers limited access to information selected and formatted according to the customer' individual preferences. All reports can be accessed on demand or can be automatically generated and transmitted according to a predetermined schedule. Historical information from throughout a company or a manufacturer can be assembled and either made available centrally or disseminated to all databases 114 and 126 as the collective intelligence of the equipment 100 and/or industry” Further data information has been disclosed through out this office action and the prior art cited that is related to the information claimed).

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As per claim 23, canceled.

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DENNIS TRUONG whose telephone number is (571)270-3157. The examiner can normally be reached on MON - FRI: 7:30 - 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mahmoudi Tony can be reached on (571) 272-4078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dennis Truong/
Primary Examiner, Art Unit 2169